

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A subscriber network system comprising an exchange disposed in a central station and concentrators arranged at remote locations, the subscriber network system comprising:

a cell generator disposed in said exchange, the cell generator configured to integrate into cell data setting information to be set in said concentrators and to send the cell data to said concentrators; and

a control cell terminator disposed in each of said concentrators, the control cell terminator configured to extract said setting information from said cell data supplied from said cell generator for rewriting setting information in said concentrators,

wherein the concentrators concentrate signals from a set of down stream transmission lines to a number of lines less than said set of downstream transmission lines, and

wherein the exchange communicates with the concentrators on one end and a backbone network on another end.

2. (previously presented): The subscriber network system according to claim 1, wherein receiving and sending of said cell data between said exchange and said concentrators are carried out by an asynchronous transfer mode.

3. (previously presented): The subscriber network system according to claim 1, the subscriber network system further comprising in each concentrator of the concentrators:

a cell filter configured to distribute a cell for each subscriber responding to a virtual path identifier; and

a cell filter table configured to store the setting information for said cell filter;

wherein, the subscriber network system is constructed such that the content of said cell filter is rewritten by the setting information which said control cell terminator has extracted from said cell data.

4. (previously presented): The subscriber network system according to claim 1, the subscriber network system further comprising in the concentrators:

a cell monitor configured to monitor a flow rate of the cell for the signals from the subscribers, and

a monitoring parameter table configured to store the setting information for said cell monitor.

wherein the subscriber network system is constructed such that said control cell terminator rewrites the content of said monitoring parameter table according to the setting information which said control cell terminator extracts from said cell data.

5. (previously presented): The subscriber network system according to claim 4, wherein said control cell generator is constructed such that it integrates at least one of the setting

information of said cell filter table obtained by a call control processing in said exchange and the setting information of said monitoring parameter table.

6. (currently amended): A method of setting information in a concentrator of a subscriber network system comprising an exchange disposed in a central station and concentrators located at remote locations, the method comprising:

integrating setting information to be set in the concentrators in cell data and sending the integrated cell data to said concentrators; and

extracting said setting information in said integrated cell data supplied from said exchange and rewriting setting information installed in said concentrators,

wherein the concentrators concentrate signals from a set of down stream transmission lines to a number of lines less than said set of downstream transmission lines, and

wherein the exchange communicates with the concentrators on one end and a backbone network on another end.

7. (previously presented): The method of setting information in the concentrators according to claim 6, wherein receiving and sending of said cell data between said exchange and the concentrators are carried out in a asynchronous transfer mode.

8. (previously presented): The method of setting information in the concentrators according to claim 6, wherein each of said concentrators comprises:

a cell filter for distributing the cell for each subscriber responding to the virtual path identifiers; and

a cell filter table for storing setting information for said filter;

wherein the content of said cell filter table is rewritten by the setting information extracted from the cell filter.

9. (previously presented): The method of setting information in the concentrator according to claim 6, wherein said concentrator comprises:

a cell monitoring means for monitoring the flow rate of the cell for the signals from the subscribers; and

a monitoring parameter table for storing the setting information for said cell monitoring means;

wherein the content of said monitoring parameter table is rewritten by the setting information extracted from said cell data.

10. (previously presented): The method of setting information in the concentrator according to claim 9, wherein the method comprises the step of:

integrating at least one of the setting information of said cell filter table obtained by the call control processing in said exchange and the setting information of said monitoring parameter table.